

## University of Dundee

### Community Level Indicators Tool

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# TOOLKIT

# COMMUNITY LEVEL INDICATORS

## WHY IS IT RELEVANT?

Community Level Indicators (CLIs) make the invisible visible. They are extra information a community collects to complement sensor data. These measurements reflect the goals of the project and the community's needs.

## KEY QUESTION

WHAT CHANGE DO WE WANT TO SEE HAPPEN,  
AND HOW CAN WE MEASURE THAT CHANGE?



TIME NEEDED

60 - 90 Minutes



PARTICIPANTS

Facilitators, participants,  
external experts,  
government officials



Making  
Sense



Making Sense was co-funded by the European Commission within the Call H2020 ICT2015 Research and Innovation action. The grant agreement number is 688620.



## **DESCRIPTION**

In citizen sensing, people sometimes struggle to understand how data are relevant to their lives, or how they are connected to the challenges they face. This is even more important when benchmarks are set by others (e.g. government officials or researchers) in a non-transparent way that do not relate to the community's concerns. CLIs are a good way to connect the dots between sensor data and real life. They also help participants to monitor the impact of their actions by tracking and measuring real change. The Community Level Indicators tool helps participants to collaboratively choose what information will be collected, and how. You may also use this tool at the end of a data collection period, to see how actions have made a difference.

## **STEPS**


- 1** Gather everyone together to decide on the aims and goals of your project. You can do this by using a quick ideation exercise: Ask everyone to jot down a change they hope will happen as a result of the campaign using the sticky notes and pens.
- 2** Once everyone has one or two ideas noted down, cluster similar ideas together. After this quick edit, ask everyone to vote with sticker dots on their preferred goal, the two with the highest number of votes are then used as the initial goals of the campaign.
- 3** Then, divide everyone into groups of 4-5 people, give each group a Community Level Indicator canvas for their table. Each group chooses a goal and uses the canvas to decide on the indicators that can be measured to track the progress of that goal. Each group also decides on the strategy and logistics for collecting these data. Ask the groups to consider: 'what', 'who', 'when' and 'how often' can these indicators be measured.
- 4** The groups repeat this process for up to three different indicators. When the activity is finished, each group presents their results back to everyone. Then, using sticker dots, everyone votes openly on the indicators they would most like to monitor. The indicators with the highest number of votes are then taken forward and tracked.
- 5** Participants keep a record of their indicators using data journal, or other devices, such as smartphones, to note information or take photographs. The indicators should be shared and analysed alongside the sensor data.

# RESOURCES NEEDED

Community Level Indicators Canvas,  
sticky notes, markers, and sticker dots



## Tracking Change

Goal (what do you want the campaign to achieve):



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COMMUNITY-LEVEL INDICATORS An objective measurement to follow the progress of the campaign	THE STRATEGY How can we find out what we want to know? What technology can help us with this? How can we share what we find?	THE DATA What will be measured? Who will collect the measurements? When will they be collected? How often?
1		<div>WHAT</div> <div>WHO</div> <div>WHEN</div> <div>HOW OFTEN</div>
2		<div>WHAT</div> <div>WHO</div> <div>WHEN</div> <div>HOW OFTEN</div>
3		<div>WHAT</div> <div>WHO</div> <div>WHEN</div> <div>HOW OFTEN</div>

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Community Level Indicators Canvas

# USEFUL LINKS

Empathy Timeline Toolkit Assets: <https://doi.org/10.20933/100001178>

Making Sense Project Website: [making-sense.eu](https://making-sense.eu)

Citizen Sensing: A Toolkit: <https://doi.org/10.20933/100001178>